

91-242856/33

E19 G06

FUJIF 17.11.89

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FUJIFOTO FILM KK

17.11.89-JP-299155 (08.07.91) G03c-07/42

Processing silver halide colour photographic photosensitive material - using bleach and/or fixing liq. contg. thiosulphate, ketene, aldehyde, ethylenic cpd. or amide etc. cpds., sulphite cpd. and adduct

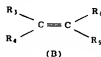
C91-105583

In the bleach-fixing and/or fixing treatment of a photosensitive material after image exposure and colour development, the bleach-fixing liq. and/or fixing liq. includes a cpd. of types (1) and (2), and/or (3).

(1) is a thiosulphate;

(2) at least one cpd. of formula (A) - (D) and at least one disulphite, sulphite and/or metabisulphite; and

(3) is at least one disulphite addn. cpd. derived from cpds. of formula (A) - (D):



E7-H, 10-A8, 10-A9B, 10-A10, 10-A15, 10-A20, 10-A24, 10-A25, 10-C2, 10-C4, 10-D3C, 10-F2, 31-F51 G16-G10, 6-G11, 6-G12

.(HX)<sub>n</sub>(Y)<sub>m</sub>

R<sub>1</sub> = alkenyl, aryl, alkynyl, cycloalkyl, aralkyl, heterocycle, carboxylic, ester, acyl or carbamoyl;

R<sub>2</sub> = H, alk(en)yl, alkynyl, aralkyl, aryl, cycloalkyl or heterocyclic gp., or R<sub>1</sub> and R<sub>2</sub> may form a ring together (R<sub>2</sub> is not H when R<sub>1</sub> is an aryl gp. in (A));

R<sub>3-6</sub> = H, alkyl, alkenyl, alkynyl, aralkyl, cycloalkyl, aryl, heterocyclic, carboxylic, ester, acyl, halogen, ether, sulpha, sulphonyl, sulphonyl, CN, NO<sub>2</sub>, carbamoyl or sulphamoyl;

R<sub>4</sub> = an electron absorbing gp., and R<sub>3</sub> and R<sub>4</sub>, R<sub>4</sub> and R<sub>5</sub>, R<sub>5</sub> and R<sub>6</sub> and/or R<sub>4</sub> and R<sub>5</sub> may form ring together in cpd. (B);

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R<sub>7</sub>-R<sub>9</sub> = H, alk(en)yl, alkynyl, cycloalkyl, aralkyl, aryl, heterocyclic, amino, alkylamino, arylamino, carboxylic, ester, acyl, ether, OH, alkylthio, or arylthio; (R<sub>7</sub> and R<sub>8</sub>, R<sub>8</sub> and R<sub>9</sub> and R<sub>7</sub> and R<sub>9</sub> may form ring together in cpd. (C));

R<sub>10</sub> = alk(en)yl, alkynyl, cycloalkyl, aralkyl, aryl or heterocyclic gp.; or may form a ring by bonding with the atom in Z in cpd. (D);

Z = atom forming a ring;

X and Y = anions;

n and m = 0 or 1.

**ADVANTAGE**

The stability with lapse of time of the fixing liquid or the bleach-fixing liquid can be improved. The image preservability can be improved.

(66ppw46WFDwgNo0/0)

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